



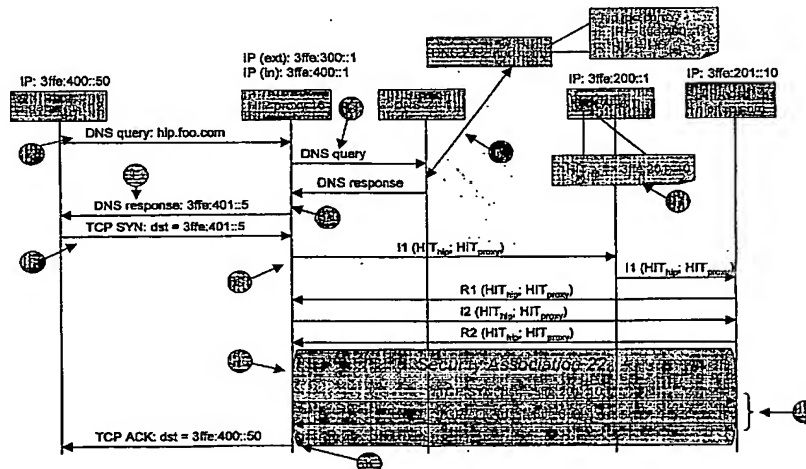
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**(54) Title: ADDRESSING METHOD AND METHOD AND APPARATUS FOR ESTABLISHING HOST IDENTITY PROTOCOL (HIP) CONNECTIONS BETWEEN LEGACY AND HIP NODES**



**(S7) Abstract:** A method is provided of at least partially securing communications, via a HIP proxy (16), between a first host (12) which is not HIP enabled and a second host (14) which is HIP enabled, the method comprising: sending (A) a query from the first host (12) to resolve the IP address of the second host (14); in response to said query, retrieving (B, C) an EP address ( $IP_{fa}$ ) and ( $HIT_{hip}$ ) associated with the second host (14), returning (E) to the proxy (16) a substitute IP address ( $IP_{res}$ ) associated with the second host (14), and maintaining (D) at the proxy (16) a mapping between the substitute IP address ( $IP_{res}$ ), the retrieved IP address ( $IP_{fa}$ ) and the retrieved HIT ( $HIT_{hip}$ ); and upon receipt (F) of a session initiation message (TCP SYN) at the proxy (16) from the first host (12) including as its destination address the, substitute IP address ( $IP_{res}$ ), using the mapping to negotiate a secure HIP, connection (22) between the proxy (16) and the second host (14).